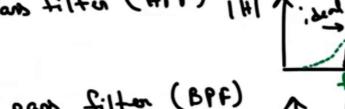


Passive Fither









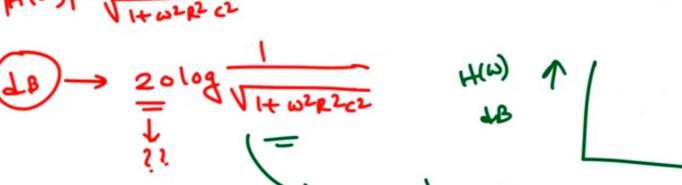




1+ jwpc

0=2xf

Passive Filters
$$|H(\omega)| = \frac{1}{\sqrt{1 + \omega^2 R^2 c^2}}$$



$$|H(\omega)|_{AB} = 20 \log \frac{1}{\sqrt{1+\omega^{2}c^{2}}}$$

$$\omega = 0, |H(\omega)|_{AB} = 0$$

$$\omega = \sqrt{|H(\omega)|_{AB}} = -3 \frac{1}{\omega}$$

$$(\omega)_{AB} = \frac{20 \log \frac{1}{\sqrt{1+(\frac{\omega}{\omega_c})^2}}}{\sqrt{1+(\frac{\omega}{\omega_c})^2}}$$

$$S \log e = -20 \frac{\Delta B}{\Delta L} / \frac{\Delta L}{\Delta L}$$

$$\frac{1}{|\varphi(\omega)|} = \frac{1}{|\varphi(\omega)|} = \frac{1}{|\varphi(\omega)|}$$

$$\frac{10\omega_{c}}{100} \frac{1}{100} = 20 \log \frac{1}{\sqrt{1+(10)^{2}}}$$

Passive Filters

$$H(\omega) = \frac{1}{1 + j\omega RC}$$

$$\Phi = -ton^{-1}\left(\frac{\omega RC}{1}\right)$$

$$\Phi = -ton^{-1}\left(\frac{\omega RC}{1}\right)$$

$$\Delta = -ton^{-1}\left(\omega RC\right)$$

$$\Delta = 0, \quad \Phi = 0$$

$$\Delta = \omega_{c} = \frac{1}{Rc}, \quad \Phi = \frac{\pi}{4}$$

$$\omega + \omega , \quad \Phi = -\frac{\pi}{2}$$

$$Vim C_{1} = \frac{1}{C_{2}}$$

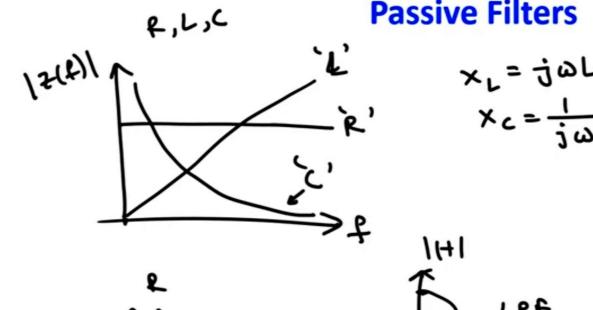
$$Vim C_{2} = \frac{1}{C_{2}}$$

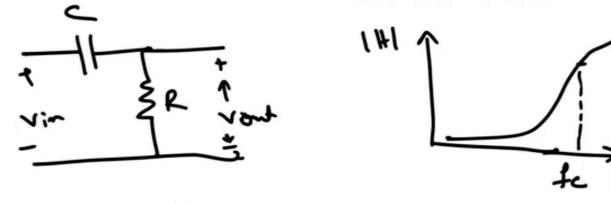
$$Vim C_{3} = \frac{1}{C_{2}}$$

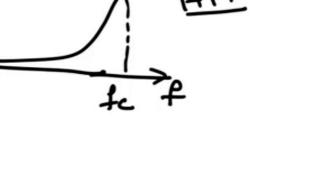
$$Vim C_{4} = \frac{1}{C_{2}}$$

$$Vim C_{4} = \frac{1}{C_{4}}$$

$$Vim$$







$$\frac{1}{R} = \frac{R}{R}$$

$$\frac{1}{2} = \frac{R}{R}$$

$$\frac{1}{2} = \frac{R}{R}$$

